AMENDMENTS TO THE CLAIMS

The listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) In a computing system that has access to a set of control points ~~representing~~ defining an outline of a graphical object, a method for simplifying the control data that represents the outline of the graphical object, the method comprising:

identifying a plurality of local extrema on the outline of the graphical object;

identifying a plurality of sets of local extrema, each local extremum in a set of local extrema being on a common edge of the outline of the graphical object, each set of local extrema including one or more local extremum from the plurality of identified local extrema;

determining that control points interspersed between and/or at the local extremum of each set of local extrema are on ~~the~~ a common edge of ~~the~~ a simplified outline including when the control points are off of the outline of the graphical object; and

generating simplified control data that represents an outline of the common edges of ~~the~~ a simplified graphical object of the graphical object.

2. (Original) The method as recited in claim 1, wherein identifying a plurality of local extrema on the outline of the graphical object comprises determining that the outline increases or decreases in the same direction at points adjacent to a point that is a prospective local extremum.

3. (Original) The method as recited in claim 1, wherein identifying a plurality of local extrema on the outline of the graphical object comprises identifying a plurality of local extrema on the outline of a typographical character.

4. (Original) The method as recited in claim 1, wherein identifying a plurality of local extrema on the outline of the graphical object comprises calculating the derivative of an equation

that defines how one or more control points are to be connected when rendering a portion of the outline.

5. (Original)   The method as recited in claim 1, wherein identifying a plurality of sets of local extrema comprises determining that a plurality of local extrema are oriented in at least a similar direction.

6. (Original)   The method as recited in claim 5, wherein determining that a plurality of local extrema are oriented in at least a similar direction comprises determining that a plurality of local extrema are oriented in the same direction.

7. (Currently Amended)   The method as recited in claim 1, wherein identifying a plurality of sets of local extrema comprises determining that each local extremum in the plurality of local extrema is within a specified tolerance of immediately adjacent local extrema or control points.

8. (Currently Amended)   The method as recited in claim 7, wherein determining that each local extremum in a plurality of local extrema is within a specified tolerance of immediately adjacent local extrema or control points comprises determining that each local extremum in a plurality of local extrema is within specified distance tolerance of immediately adjacent local extrema or control points.

9. (Currently Amended)   The method as recited in claim 7, wherein determining that each local extremum in a plurality of local extrema is within a specified tolerance of immediately adjacent local extrema or control points comprises determining that each local extremum in a plurality of local extrema is within specified angle tolerance of immediately adjacent local extrema or control points.

10. (Currently Amended)   The method as recited in claim 1, wherein generating simplified control data that represents an outline of the common edges of the simplified graphical object comprises generating a reduced set of control points, the reduced set of control points

3

representing the features of the outline without representing some variations that would otherwise be included in the outline.

11. (Currently Amended)   The method as recited in claim 1, wherein generating simplified control data that represents an outline of the common edges of the <u>simplified</u> graphical object comprises generating simplified control data that represents an outline of the common edges <u>of</u> a typographical character.

12. (Currently Amended)   In a computing system that has access to a set of control points representing an outline of a graphical object, a method for determining that ~~a plurality of~~ a local extrem~~um~~a and a control point off of the outline of the graphical object are on a common edge of ~~the~~ a simplified outline, the method comprising:

identifying ~~first and second~~ consecutive local extrem~~a~~um on the outline and control point off of the outline;

determining that the direction of the outline at both the ~~first and second~~ consecutive local extrem~~um~~a and control point off of the outline is at least a similar direction; and

determining that the ~~first~~ local extrem~~um~~a is within a specified tolerance of the ~~second local extrema~~control point off of the outline.

13. (Currently Amended)   The method as recited in claim 12, wherein identifying ~~first and second~~ consecutive local extrem~~um~~a on the outline and control point off of the outline comprises identifying ~~first and second consecutive local extrema on the outline~~ an extremum and control point of a typographical character.

14. (Currently Amended)   The method as recited in claim 12, wherein identifying ~~first and second~~ consecutive local extrem~~um~~a on the outline and control point off of the outline comprises determining that the outline increases or decreases in the same direction at points adjacent to the ~~first consecutive~~ local extremum.

15. (Cancelled)

16. (Currently Amended)   The method as recited in claim 12, wherein identifying ~~first and second~~ consecutive local extrem~~um~~a on the outline and control point off of the outline comprises taking the derivative of an equation that defines how the ~~first and second consecutive~~ local extrem~~um~~a and control point are to be connected when rendering the outline.

17. (Currently Amended)   The method as recited in claim 12, wherein determining that the direction of the outline at both the ~~first and second~~ consecutive local extrem~~um~~a and

5

control point off of the outline is at least a similar direction comprises determining that the direction of the outline at both the ~~first and second consecutive~~ local extrem~~um~~a and control point is the same direction.

18. (Currently Amended)   The method as recited in claim 12, wherein determining that the ~~first~~ local extrem~~um~~a is within a specified tolerance of the ~~second local extrema~~control point off of the outline comprises determining that the ~~first~~ local extrem~~um~~a is within a specified distance tolerance of the ~~second local extrema~~or control point.

19. (Currently Amended)   The method as recited in claim 12, wherein determining that the ~~first~~ local extrem~~um~~a is within a specified tolerance of the ~~second local extrema~~control point off of the outline comprises determining that the ~~first~~ local extrema is within a specified angle tolerance of the ~~second local extrema~~ control point.

20. (Currently Amended)   A computer program product for use in a computing system that has access to a set of control points representing an outline of a graphical object, the computer program, product for implementing a method for simplifying the control data that ~~represents~~ defines the outline of the graphical object, the computer program product comprising one or more computer-readable media having stored thereon computer executable instructions that, when executed by a processor, cause the computing system to perform the following:

identify a plurality of local extrema on the outline of the graphical object;

identif~~ying~~ a plurality of sets of local extrema, each local extremum in a set of local extrema being on a common edge of the outline of the graphical object, each set of local extrema including one or more local extremum from the plurality of identified local extrema;

determine that control points interspersed between and/or at the local extremum of each set of local extrema are on ~~the~~ a common edge of ~~the~~ a simplified outline including when the control points are off of the outline of the graphical object; and

generate simplified control data that represents an outline of the common edges of ~~the~~ a simplified graphical object of the graphical object.

21.   (New) The method as recited in claim 1, further comprising translating the simplified control data into hinting instructions.

22.   (New) The method as recited in claim 1, further comprising using the simplified control data can to facilitate recognition of the graphical object.

23.   (New) The method as recited in claim 22 further comprising manipulating control points using the recognition such that a better pixelated representation of the graphical object is rendered.